

IN THE CLAIMS:

Please substitute amended claims 1-8 as follows:

1. (Amended) A temperature measuring device comprising an approximately blade-shaped casing arranged within an airflow flowing into an engine of an aircraft or on an external surface of an airframe of the aircraft,

5 wherein the temperature measuring device measures a total temperature T_1 of the airflow based on a measured temperature T of the airflow flowing over surfaces of the casing, and

10 wherein the shape of the casing is set such that lumps of ice and snow, which may form on the surfaces of the casing and which may detach from the casing and be blown downstream by the airflow into the engine, the airframe or other equipment of the aircraft, detach at a stage of growth so as to prevent damage to the engine, the airframe or the other equipment of the aircraft.

2. (Amended) A temperature measuring device according to claim 1, wherein an angle of inclination of each blade surface of the casing with respect to a direction of a line of flow of the airflow is less than or equal to 9° .

3. (Amended) A temperature measuring device according to claim 1, wherein a width of a leading edge section of the casing with respect to a direction of a line of flow of the airflow is less than or equal to 1 mm.

4. (Amended) A temperature measuring device according to claim 2, wherein a width of a leading edge section of the casing with respect to the direction of the line of flow of the airflow is less than or equal to 1 mm.

5. (Amended) A temperature measuring device according to claim 1, wherein an angle of inclination of a leading edge section of the casing with respect to a direction of a line of flow of the airflow is less than 60°.

6. (Amended) A temperature measuring device according to claim 2, wherein an angle of inclination of a leading edge section of the casing with respect to the direction of the line of flow of the airflow is less than 60°.

7. (Amended) A temperature measuring device according to claim 3, wherein an angle of inclination of the leading edge section of the casing with respect to the direction of the line of flow of the airflow is less than 60°.

8. (Amended) A temperature measuring device according to claim 4, wherein an angle of inclination of the leading edge section of the casing with respect to the direction of the line of flow of the airflow is less than 60°.